

§ 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments

In the Claims:

Please cancel claims ~~1~~ and ~~15-23~~ without prejudice to or disclaimer of the subject matter contained therein. Applicants reserve the right to prosecute the subject matter of these claims in one or more continuing or divisional applications.

Please substitute the following claim 2 for the pending claim 2:

2. (Once Amended) An isolated nucleic acid molecule encoding prostate cancer antigen 3 (PCA3) comprising a polynucleotide sequence selected from the group consisting of:

- C¹
- amb
F1
- (a) a nucleotide sequence encoding a PCA3 polypeptide comprising the complete amino acid sequence in SEQ ID NO:2;
 - (b) a nucleotide sequence encoding a PCA3 polypeptide comprising the complete amino acid sequence in SEQ ID NO:7;
 - (c) a nucleotide sequence encoding a PCA3 polypeptide comprising the complete amino acid sequence encoded by the polynucleotide clone contained in the deposit at the Centraal voor Schimmelcultures as accession number CBS 682.97;

(d) a nucleotide sequence encoding a PCA3 polypeptide comprising the complete amino acid sequence encoded by the polynucleotide clone contained in the deposit at the Centraal voor Schimmelcultures as accession number CBS 100521;

(e) a nucleotide sequence comprising the nucleotide sequence set forth in SEQ ID NO:1, 3, 4, or 6;

(f) a nucleotide sequence completely complementary to any of the nucleotide sequences in (a), (b), (c), (d) or (e); and

(g) a nucleotide sequence which hybridizes under high stringency conditions to any of the nucleotide sequences in (a), (b), (c), (d), (e) or (f).

Please substitute the following claim 3 for the pending claim 3:

3. (Once Amended) The isolated nucleic acid molecule according to claim 4, wherein the molecule comprises the nucleotide sequence encoding PCA3 as set forth in SEQ ID NO:1 or 6.

Please substitute the following claim 4 for the pending claim 4:

4. (Once Amended) An isolated nucleic acid molecule encoding prostate cancer antigen 3 (PCA3) comprising the nucleotide sequence set forth in SEQ ID NO:1, 3, 4, or 6.

Please substitute the following claim 5 for the pending claim 5:

5. (Once Amended) The isolated nucleic acid molecule according to claim 3, wherein the molecule encodes the polypeptide comprising the complete amino acid

sequence set forth in SEQ ID NO:2 or 7.

[Please substitute the following claim 6 for the pending claim 6:]

6. (Once Amended) The isolated nucleic acid molecule according to claim 2, wherein the nucleotide sequence encoding a PCA3 polypeptide comprises the complete amino acid sequence encoded by the polynucleotide clone contained in the deposit at the Centraal voor Schimmelcultures as accession number CBS 682.97, respectively.

[Please substitute the following claim 7 for the pending claim 7:]

7. (Once Amended) The isolated nucleic acid molecule according to claim 2, wherein the nucleotide sequence encoding a PCA3 polypeptide comprises the complete amino acid sequence encoded by the polynucleotide clone contained in the deposit at the Centraal voor Schimmelcultures as accession number CBS 100521, respectively.

[Please substitute the following claim 11 for the pending claim 11:]

11. (Once Amended) A recombinant nucleic acid molecule comprising, 5' to 3', a promoter effective to initiate transcription in a host cell and the nucleic acid molecule according to claim 2.

[Please substitute the following claim 12 for the pending claim 12:]

12. (Once Amended) A recombinant nucleic acid molecule comprising a vector and the nucleic acid molecule according to claim 2.

Please add the following claims:

24. (New) A recombinant nucleic acid molecule comprising, 5' to 3', a promoter effective to initiate transcription in a host cell and the nucleic acid molecule according to claim 4.

25. (New) A recombinant nucleic acid molecule comprising a vector and the nucleic acid molecule according to claim 4.

26. (New) A cell that contains the recombinant nucleic acid molecule according to claim 16.

27. (New) An isolated nucleic acid molecule comprising the polynucleotide sequence set forth from nucleotides 401 to 553 of SEQ ID NO:6.

28. (New) The isolated nucleic acid molecule of claim 18, wherein said polynucleotide sequence encodes the complete amino acid sequence as set forth in SEQ ID NO:7.